

# Installer Demon Template

```
#!/bin/bash
set -euo pipefail

# CONFIG
MEDIA_BASE="/media"
USB_LABEL="recharjme"
MONITOR_BIN="/usr/bin/NZK_System_Updater.sh"
SERVICE_FILE="/etc/systemd/system/NZK_System_Updater.service"

echo "=== Installing USB Update Monitor daemon ==="

# 1) Write daemon script
rm -f "$MONITOR_BIN"
cat >"$MONITOR_BIN" <<'EOF'
#!/bin/bash
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MEDIA_BASE="/media"
USB_LABEL="recharjme"
UPDATE_FLAG="/tmp/_updating"
TEMP_UPDATE_SCRIPT="/tmp/update.sh"
USB_MOUNT_PATH="" # Global variable to track current USB path

log(){ printf '%s - %s\n' "$(date '+%F %T')" "$*"; }

find_recharjme_usb(){
    # Find any USB mount with label matching "recharjme" (case-insensitive)
    for user_dir in "$MEDIA_BASE"/*; do
        [ -d "$user_dir" ] || continue
        for mount_dir in "$user_dir"/*; do
            [ -d "$mount_dir" ] || continue
            mount_name=$(basename "$mount_dir")
```

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# Case-insensitive comparison
if [ [ "${mount_name,,}" == "${USB_LABEL,,}" ] ] && mountpoint -q "$mount_dir"; then
    echo "$mount_dir"
    return 0
fi
done
done
return 1
}

check_usb_connected(){
    USB_MOUNT_PATH=$(find_recharjme_usb)
    if [ -n "$USB_MOUNT_PATH" ]; then
        return 0
    else
        USB_MOUNT_PATH=""
        return 1
    fi
}

restart_display_managers(){
    log "Restarting display managers..."
    systemctl restart gdm3 2>/dev/null || true
    systemctl restart sddm 2>/dev/null || true
}

process_update(){
    local update_file="$1"
    log "Found update: $update_file"
    : > "$UPDATE_FLAG"
    log "Created update flag: $UPDATE_FLAG"
    cp -f "$update_file" "$TEMP_UPDATE_SCRIPT"
    chmod +x "$TEMP_UPDATE_SCRIPT"
    log "Executing: $TEMP_UPDATE_SCRIPT"
    bash "$TEMP_UPDATE_SCRIPT"
    log "Update finished; cleaning"
    rm -f "$TEMP_UPDATE_SCRIPT"
    rm -f "$UPDATE_FLAG"
    restart_display_managers
}

```

```
log "=== USB Update Monitor started ==="
shopt -s nullglob

while true; do
  if check_usb_connected; then
    log "Found RECHARJME USB at: $USB_MOUNT_PATH"

    # Check if update is already in progress
    if [ -f "$UPDATE_FLAG" ]; then
      log "Update already in progress, waiting..."
      sleep 3
      continue
    fi

    # Look for update scripts
    candidates=( "$USB_MOUNT_PATH"/update*.sh )
    if [ ${#candidates[@]} -gt 0 ]; then
      process_update "${candidates[0]}"
      # Wait for USB disconnect with proper state checking
      log "Waiting for USB disconnect..."
      while check_usb_connected; do
        sleep 2
      done
      log "USB disconnected; rebooting in 3 seconds..."
      sleep 3
      systemctl reboot
    else
      sleep 3
    fi
  else
    # No USB connected, remove updating flag if it exists
    if [ -f "$UPDATE_FLAG" ]; then
      log "No USB connected, removing stale update flag"
      rm -f "$UPDATE_FLAG"
    fi
    sleep 3
  fi
done
EOF
```

```
chmod +x "$MONITOR_BIN"

# 2) Write systemd unit
rm -f "$SERVICE_FILE"
cat >"$SERVICE_FILE" <<EOF
[Unit]
Description=USB Update Monitor
After=local-fs.target
Wants=local-fs.target

[Service]
Type=simple
ExecStart=$MONITOR_BIN
Restart=always
RestartSec=2

[Install]
WantedBy=multi-user.target
EOF

# 3) Activate
systemctl daemon-reload
systemctl enable --now usb-update-monitor.service
systemctl restart usb-update-monitor.service || true
echo "=== Installed and running: usb-update-monitor.service ==="
systemctl --no-pager status usb-update-monitor.service || true
```

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Revision #1

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